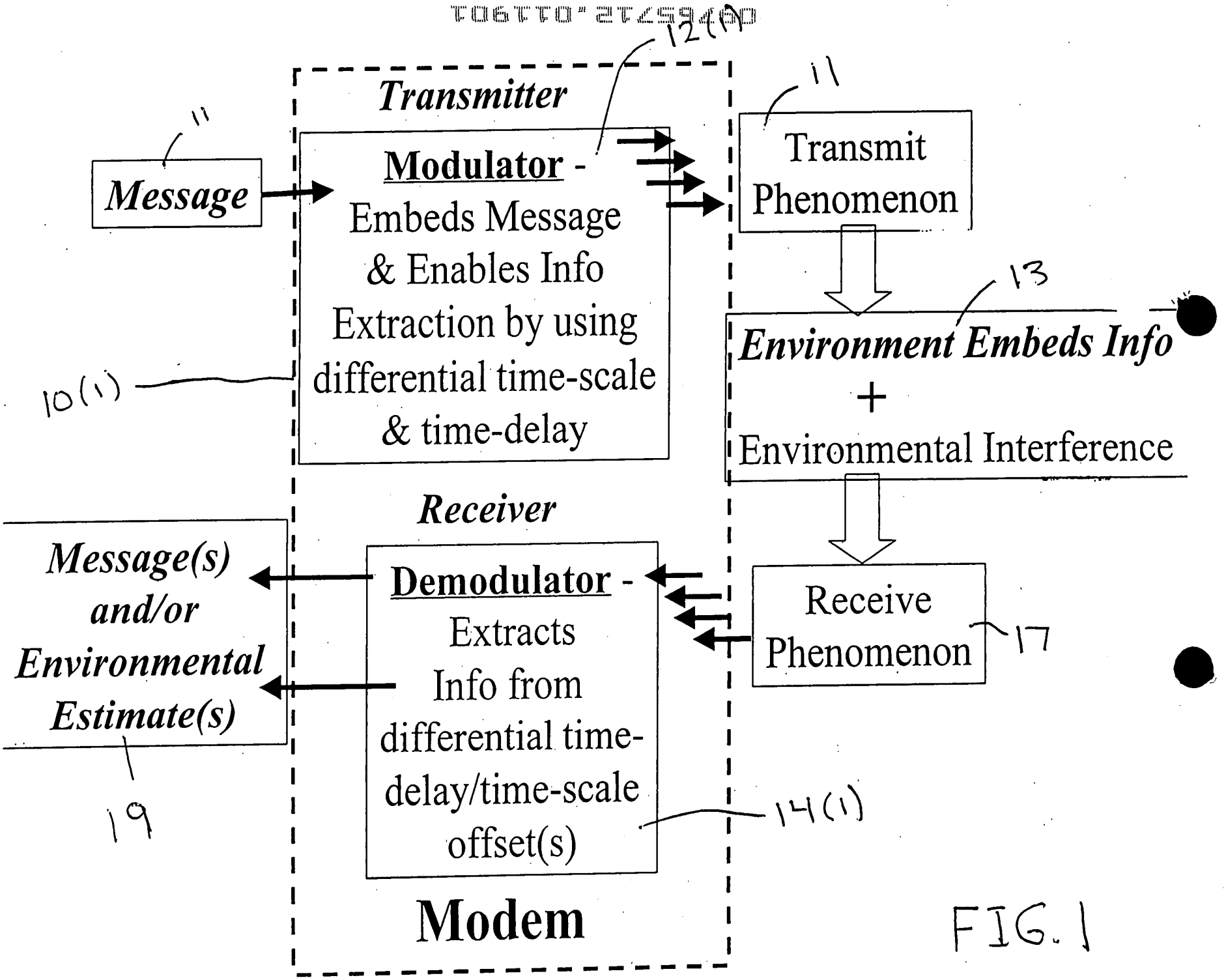
Transmitter
Modulator - Embeds Message & Enables Info Extraction by using differential time-scale & time-delay
Message
Transmit Phenomenon
Environment Embeds Info
+
Environmental Interference
Receiver
Demodulator - Extracts Info from differential time-delay/time-scale offset(s)
Receive Phenomenon
Message(s) and/or Environmental Estimate(s)
Modem
12(1)
11
11
13
10(1)
17
19
14(1)

FIG. 1

09765732 "01101

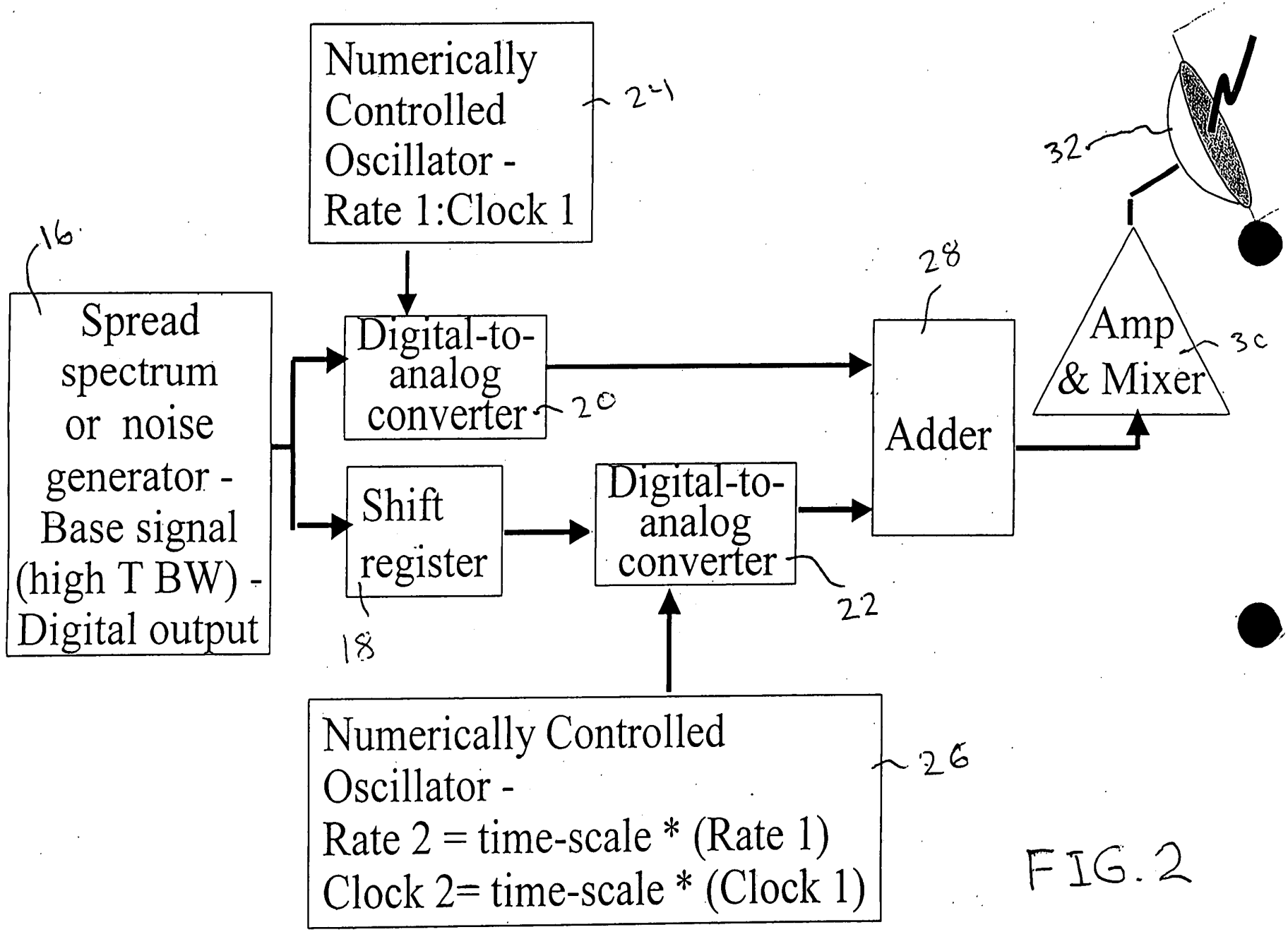

FIG. 2

TOGTTO" 2T259760

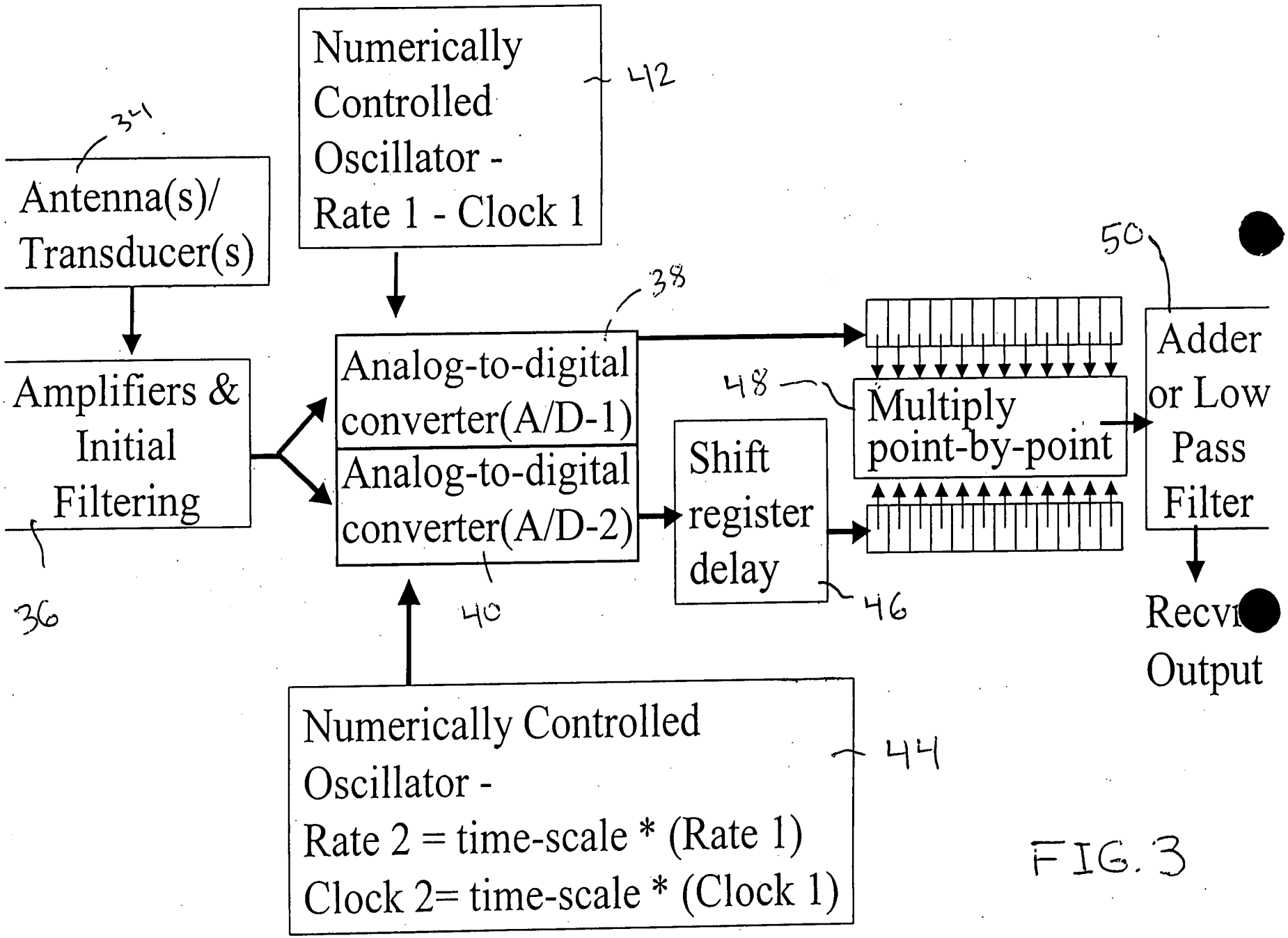

FIG. 3

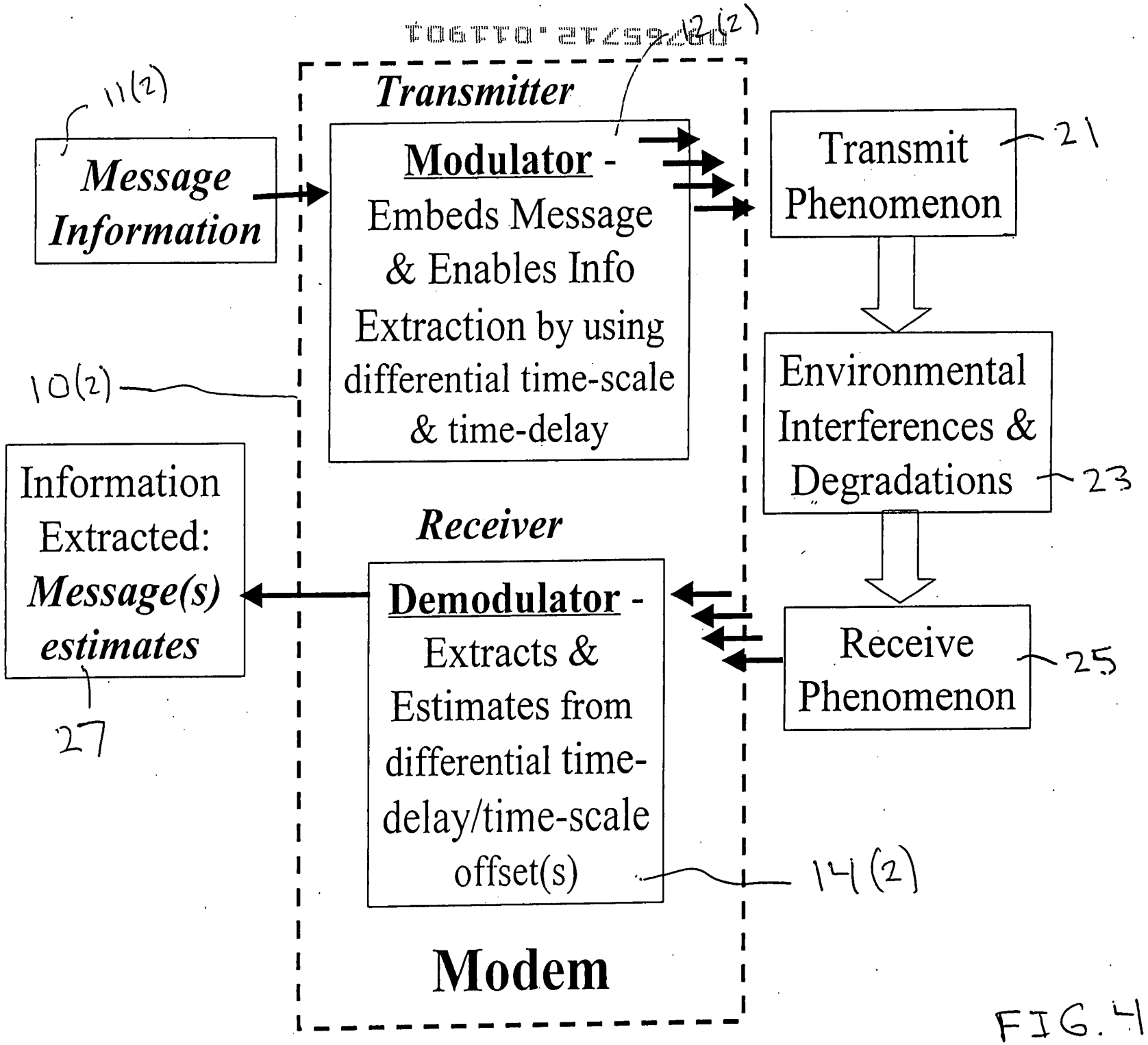
12(2)
Transmitter
11(2)
Message Information
Modulator - Embeds Message & Enables Info Extraction by using differential time-scale & time-delay
Transmit Phenomenon
21
10(2)
Environmental Interferences & Degradations
23
Information Extracted: Message(s) estimates
27
Receiver
Demodulator - Extracts & Estimates from differential time-delay/time-scale offset(s)
14(2)
Receive Phenomenon
25
Modem

FIG. 4

TOGTTO"2T759760

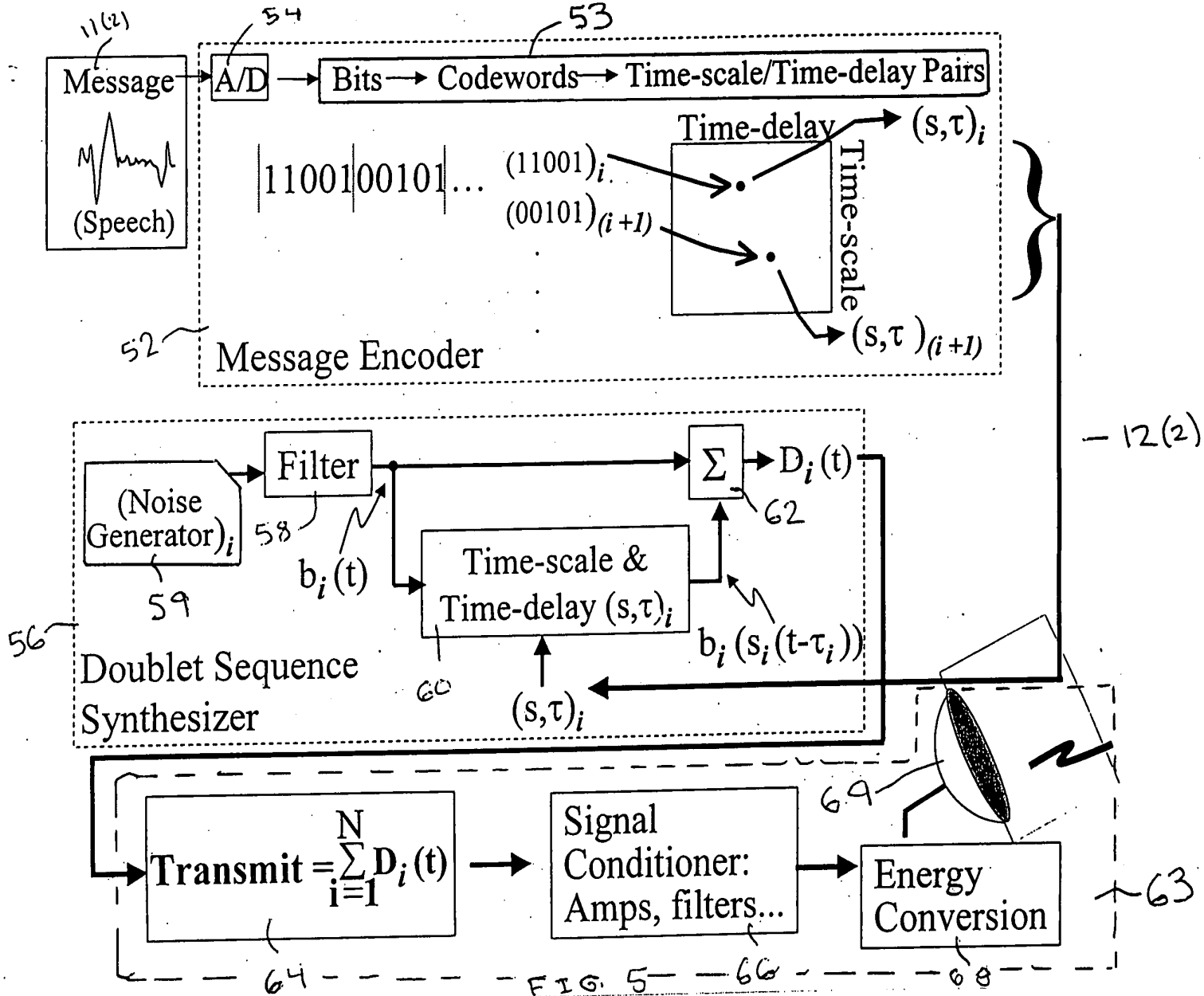

FIG. 5

T06TT0* 2T259760

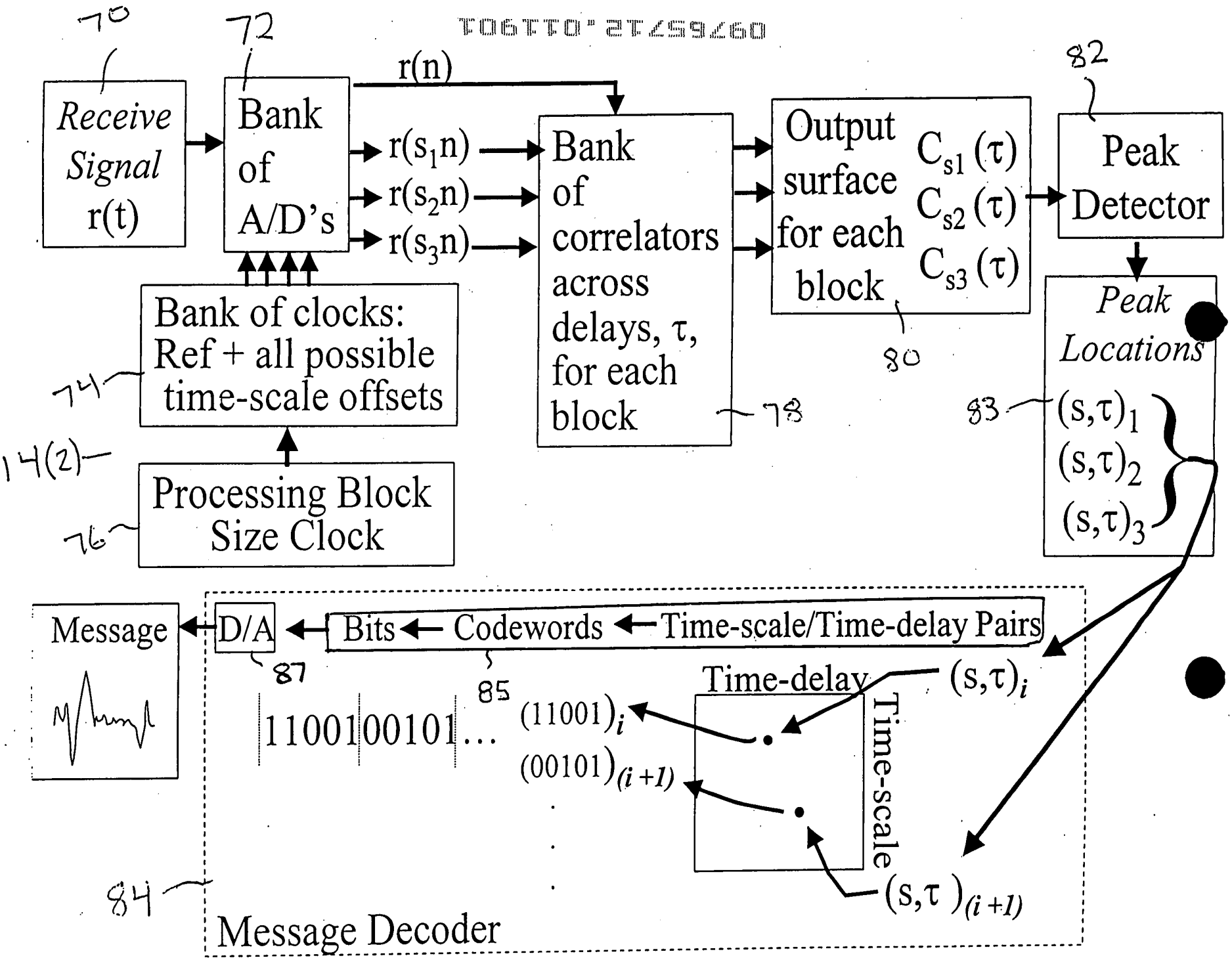

FIG. 6

TOGTTO"2T59768

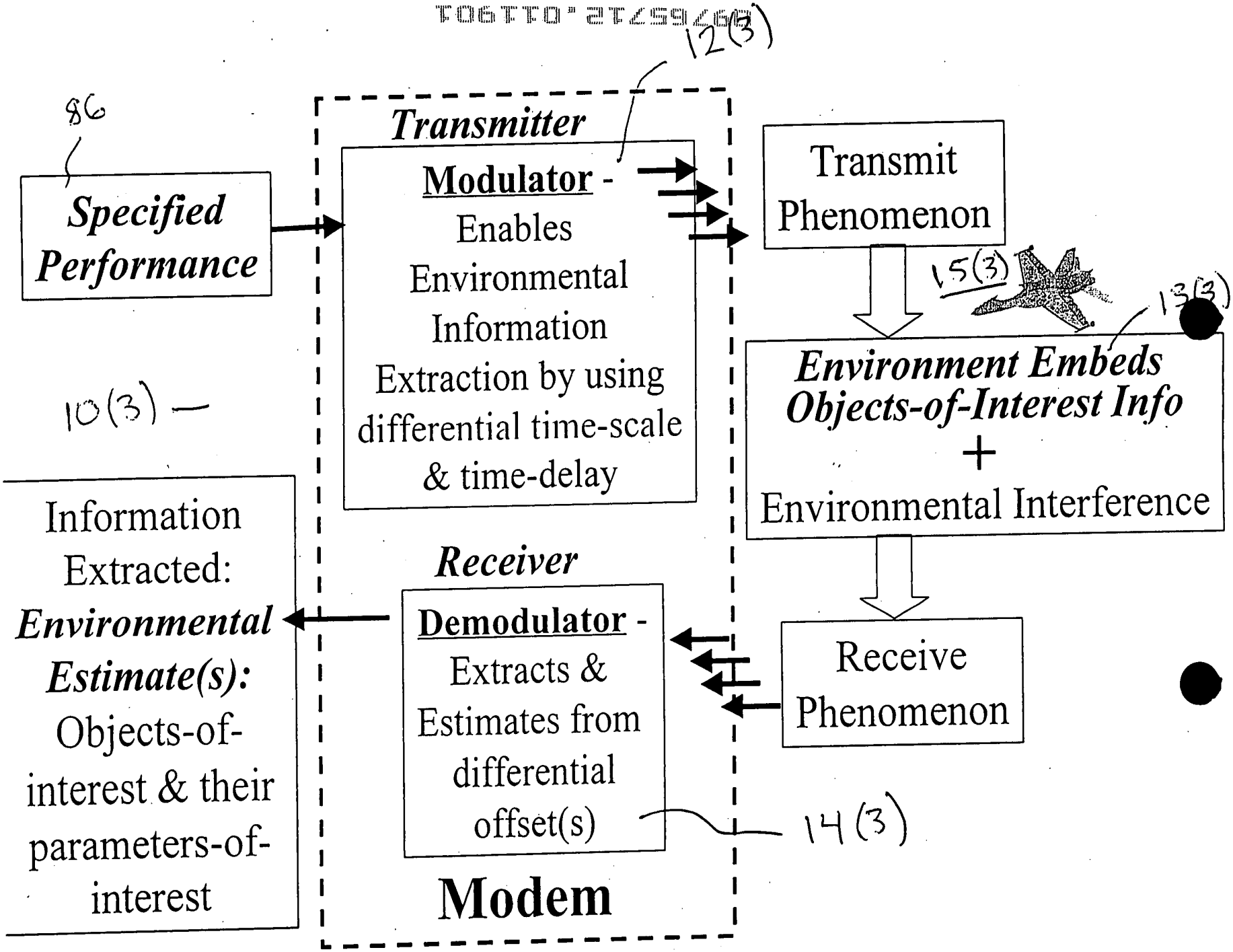

FIG. 7

T06TT0"2T259760

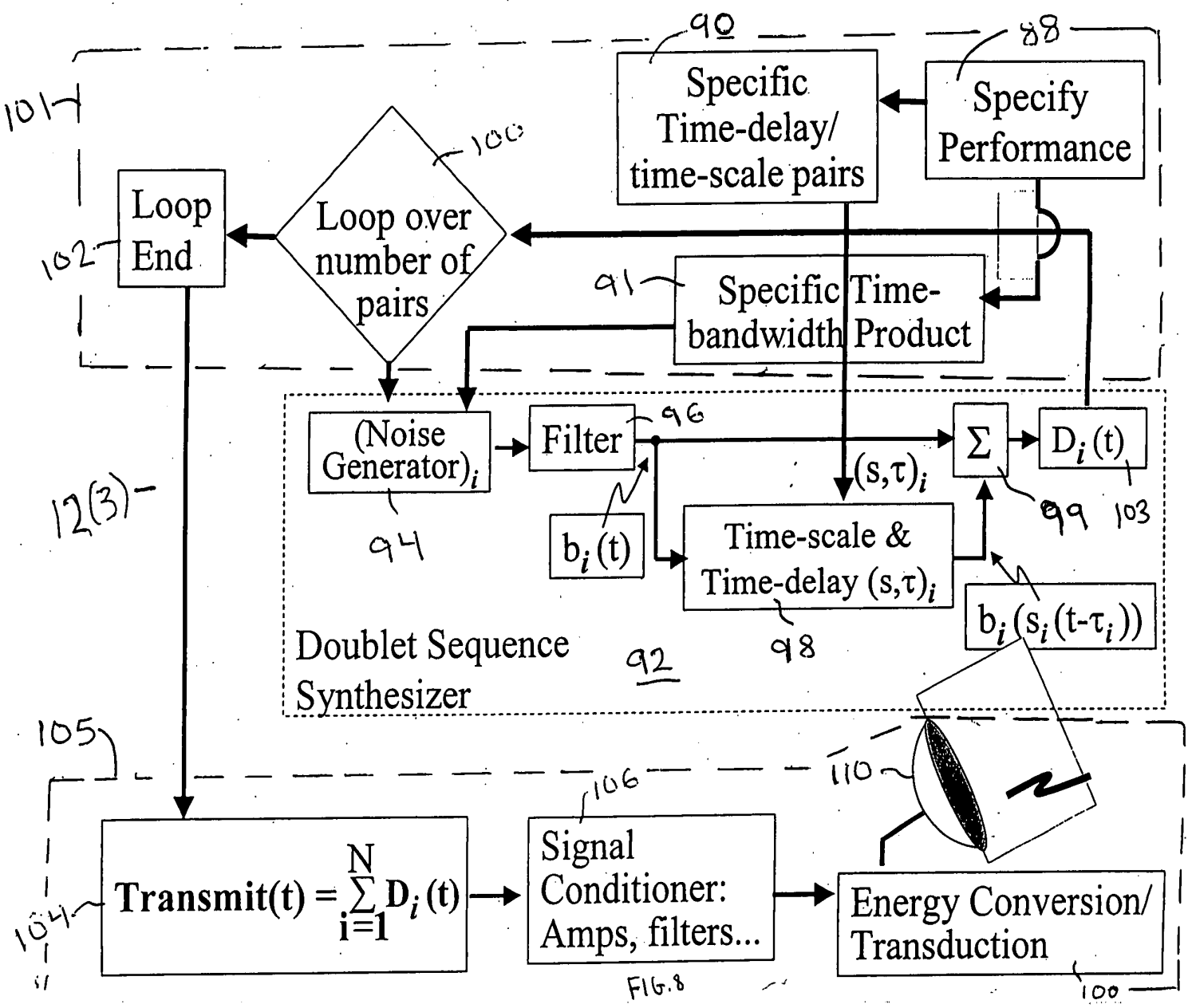

FIG. 8

TO6TTO"2T259260

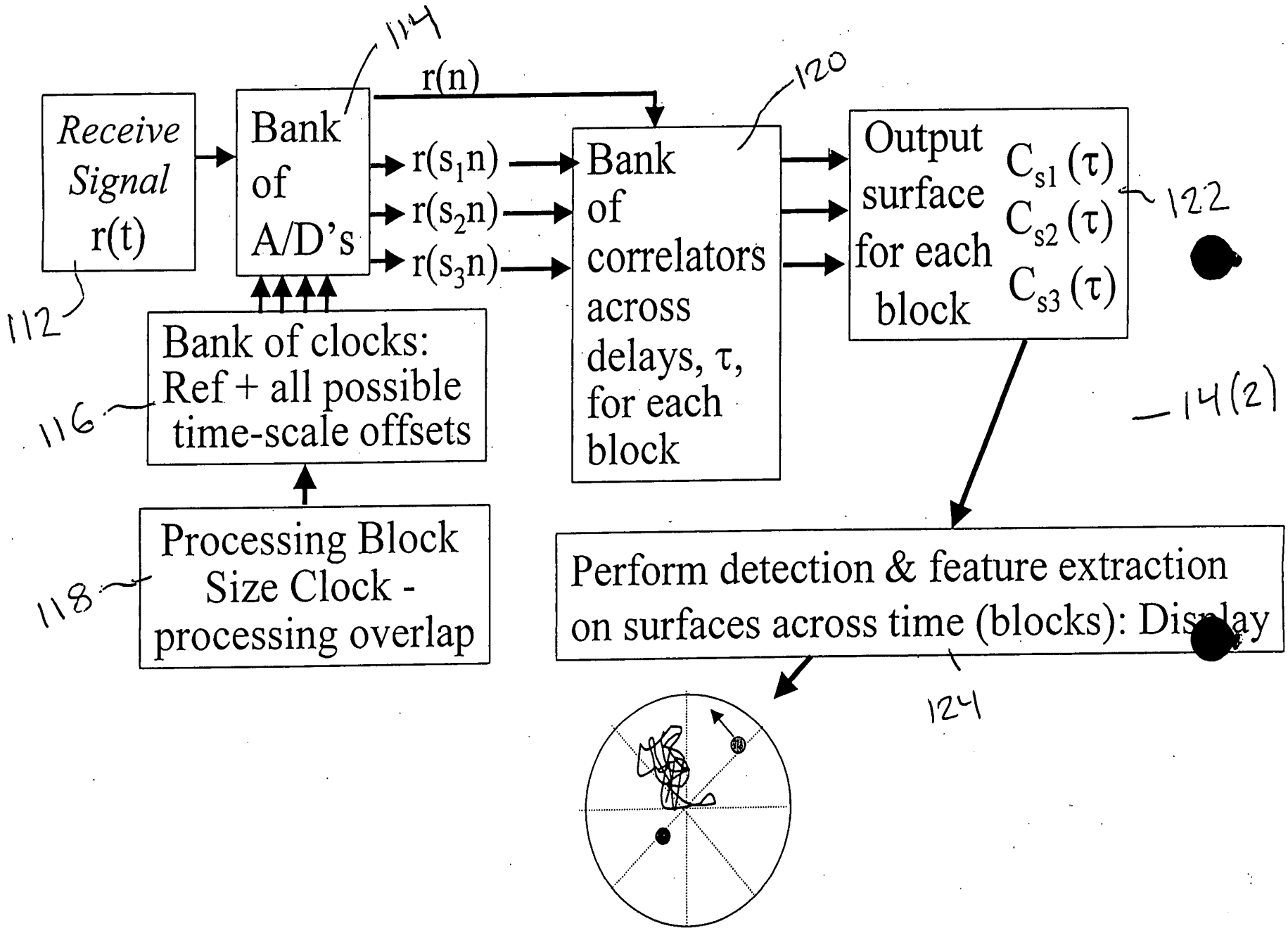

FIG. 9